

Patent Abstracts of Japan

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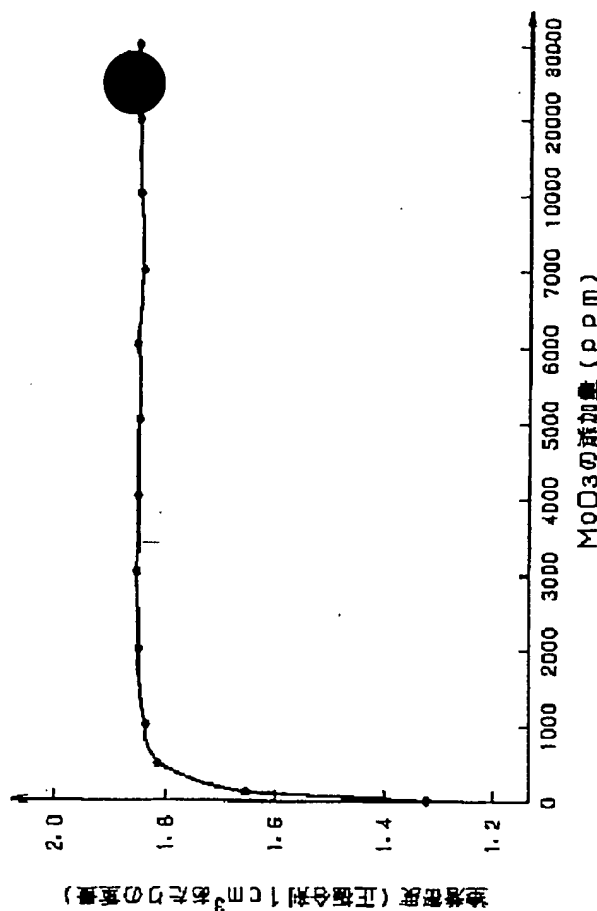
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TITLE : NONAQUEOUS ELECTROLYTE
SECONDARY BATTERY



ABSTRACT : PROBLEM TO BE SOLVED: To provide a nonaqueous electrolyte secondary battery without deterioration of battery characteristics such as the deterioration of a current collecting characteristic, due to floating of the positive electrode active material and the rise in impedance due to a nonconductive layer to be formed in an interface between a metal collector and the positive electrode active material due to the corrosion of the metal collector.

SOLUTION: In a nonaqueous electrolyte secondary battery, having a positive plate formed with a positive electrode active material layer, mainly composed of the lithium contained compound oxide in a surface of a collector formed of an aluminum foil to be corroded by the strong alkali, a coating property of the positive electrode active material paste and a current-collecting characteristic of the aluminum foil are improved by reducing the corrosion of the aluminum foil, while adding MoO₃ at 10-10,000 ppm of weight ratio with respect to the positive electrode active material to the viscous aqueous solution composed of the positive electrode active material, a thickener, conductive agent and binder.

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no clash with our storage
mechanism viz. conversion reaction.